WICHITA MARKETS.

Receipts of Live Stock at the Union Stock Yards during the past 24 hours-292 cattle, 1,733 hogs and 12 sheep. Shipments-269 cattle, 771 hogs.

Most of the cattle, were range stock and only stopped here for fest and feed, and were not on sale. The local market showed some improvement, but the offerings were common and not good enough on an average for the local slaughterers. Everything sold well considering the quality. Good to choice butchers' stuff is in good demand at strong prices. There is now quite an inquiry for native stock steers also

The hog receipts were nearly double those of yesterday. Both buyers for the local packers, also Armour's buyer were on SHORT RIBS—September \$5.30; October \$5.60; January \$6.00. deck, and the competition got pretty strong about noon, as they were all on the market to buy. \$3.55 was offered on the early market (and refused) for hogs which sold for \$3.60 during the afternoon. The market was active and from 5 to 10 cents higher than it was yesterday. The difference in price is largely due to difference in quality. More good, smooth, even packing hogs would have found a ready market at \$3.60 to \$3.62%. The close was strong at prices given below:

### WICHITA LIVE STOCK MARKET. WICHITA, Kan., August 12.

The receipts consisted mostly of through range satisficthat were not on sale here. There was some improvement in the market here today but the stuff as sale was rather common. The buyers don't want that kind of stuff. Good to choice but her cows and helders, having stock seems and native stock seems and native tock buils in good demand and command good

Native shipping steers, good to extra, \$3.25	G5 75
Good to extra native butchersteers, 10003 1200 lbs. 2 75	es 100
Native feeding steers	162.50
Native stockers 1 90	68.2 15
Choice rows and helfers 1 90.	@2.35
Fair to good cows and helfers	061 15
Bulls and stags 1 30	ec1.00
Fat yearling 200	(82 A)
Good yearthigs	(67.00
Grass cows	161 30
Canners 1 15	G(1 70)
Poorer grades and scallawags	GI 100
Vesicalves, per head	651 00
REPRESENTATIVE BALES.	

the stock yards today tcher steers.

REPRESENTATIVE SALES.

No.	Doek	Av.	Price.	No.	Desig	Ave	Princ
70	43	211	3.99	65	807	229	2.503
0.0	200	213	200	13	149	907	2017
229	260	EH	2.10	39		223	3 525
243	200	200	2.00	55	200	2874	0.045
78	80	291	= (4)	-00	200	201	3.704
255	20	37.2	2 527	22	400	307	B-903
67	22	2.4	37.00	25	25	219	3.50
81	363	220	11.90	38	80	214	FT. G03
88	120	212	2.80	23	125	1180	37.20
en.	3123	220	25 1007	107	447	199	11.4754
	(80)	*80	0.00	-	200	arm.	4.4119
			13.000	TEP.			
Tie	elve g	nt. Poor	utton !	hoep	Everno	ing 78 ;	pounds
Helia!	nr. \$4 per	r hand	red.				
Good	mutte	a stheep	, 80(2100	Carre		33	S134 00
Greed	mutter stock	a stheep	, S102100 NG 87		chttee		27/21

Brief Mention.

Hogs active and higher. Good milling wheat 2 cents higher. Some improvement in the cattle trade. Very little corn offered. Good to chice butcher cattle and native

ipped ten cars of hogs to Seventeen cars of range cattle reported to arrive at 8 this evening.

stock steers are in demand.

Hog purchasers today: Whittaker 710, Dold 328, Armour 665, Fern & Pilsher, Partridge, had a car of

hogs on the market.

J. M. Pirtle came in from ElDorado with W. J. Norris sent in a car of hogs from

Wm Gawthrop came in from Garden Plaine with a car of hogs. Captain T. Neal & Son had a car of hogs on the market from Pratt. Alex Knott, Belle Plaine, marketed

James Grimsley, a prominent business man and stock shipper of Viola was on the market with a car of hogs and cattle. Adam Hufbauer, Mulvane, had in a car

W. P. Heath, Douglas, sent in a car of A Barnard, Oxford, marketed a car of

hogs.
W. G. Arnett, sent in a car of hogs from Speacs & McLaughlin, Milton, had a car

of hogs on the market. J. J. Van Buskirk came in from Fredprick with a car of hogs. G. D. Young, Rosalie, was on the market

J. B. Kell sent in a car of hogs from Mr. Cliff sent in a car of hogs from Bluff

Blakeman & Hearne, Leon, had a car of Tateman & Whistler had in a car of hogs from Harper.

Joseph Wise, Harper, sent in a car of George Houser had a car of hogs on the

John B. Blaker, Peabody, had a car of bogs on the late market.

## LIVE STOCK MARKET.

By Tesegraph.

St. Lottis, Mo. August P.—CATTLE.—Receipts, 50: shipments 100. Market steady. Native steers: 886 68 steers and Indians 52 3053 30. HOUS-Receipts and Indians 52 3053 30. HOUS-Receipts 200 seignments, 60. Market stronger, brany 5 553 36 pocking 55 3053 36 light, fair to best 3 Gas 30. SHILEP-Receipts 200. shipments 60. Inches steady. Fair to choice \$4 0054 50.

Chirago, Ill. August 12.—The Drovers' Journal reports: CATTLE—Recents, 8,900 shipments 300. Market strong. Beeves M 6044 95 storer \$5.2544 at strongers and freezes \$1.2542 95 storer \$5.2544 at strongers and freezes \$1.2542 95 storer \$5.2543 at western Torants \$1.0041 8, Boiss-Receipts, Brigg, superments \$00. Market at ong \$6 higher. Mixed \$4.20 oil 96. Schiller B. 18,1845 \$5.004 0il 96. Schiller B. 18,1845 \$6.004 0il 96. Schiller B.

## Wichitz Grain Market.

Wichita, Kan., August 12. Wheat-Receipts 140 ha. The supply ran light and today and prices on soft above an advance of . The market is active out firm.

Corn-The receipts were very light, not newly nough common in to fill actual orders which the relevance of steady to strong adjunctations. Outs-Receipts 1000 ha. The market is active and order strong.

GRAIN—Our lots on trace:
WHEAT—Good milling, old and new, soft, Shand Sakother grades for and down,
GONN—No Sur better \$8. white \$6.
AATS—SOUTH.
RIVE—No.1, or better 50.
BAX—\$4 50 per ton in our lots.
GROUND CORN—Chop in car lots 75 per 190 lbs.

### MARKETS BY TELEGRAPH.

NEW YORK, August 12. Money on call tight, ranging from 4 to 18 pe Prime mercantile paper 520% Sterling exchange more active and weaker 188% for 60 day bills and \$4 87% for demand.

Chicago Grain and Produce

Chicago Grain and Produce.

CRICAGO, Ill., August I2.—Wheat—Large trading again and feeling unsettled and feverish. Prices fluctuated freely and quite wildly at times during the session. The market opened very weakly and panieky with prices seekle lower and varied le in different parts of the crowd quickly declined likely of more, inside prices being Paleily below the closing flures yesterday, then railled Spé from inside prices but not without numerous fluctuations, then eased off some and closed in higher for September and like higher for December than closing flures yesterday, a good business transacted and the overstander of the prices but in the three than closing flures yesterday. A good business transacted and the overstanders but later the market manifested a better feeling and closed steady.

Outs—There was no disposition to sell, closed easy at the price of the price

The leading futures closed as follows

WHEAT—August 20%, September 100%, December \$10% of \$10% COHN—August 45%, September 45%, May 45%, OATS—August 25%, September 25%, May 41%, FORK—September \$1.0, October \$10 Th. Januar,

Cash quotations were as tollows:
Cash quotations were as tollows:
FLOUR—Pirm. Spring 25c and winter 1981ic
sigher than Saturday.
WHEAT—No 2 spring. 9949.2994c, red, 994c.
CONN—No. 2, 684c.
OATS—354925c.
BYE—6040c.

E-60%0.

RLEY-Nominal, 67c,

ANSEED-\$1 41.

MOTHY-Prime \$1 3861 45.

RK-\$11 90g11 25.

LARD-6 174.
SHORT RIBS-Sides \$5 35@5 40.
SHORT RIBS-Sides \$5 35@5 40.
SHORT CLEAR SIDES-45 7020 80.
WHISKY-41 IX.
SUGAR-Cut loaf 74@74cc granulated 64cc stand and a 64c.

ARTICLES.	Receipts.	Shipments,
Wheat	68,000 285,000 263,000	29,000 292,000 190,000

Kansas Cuy Produce

KANSAS CITY, Mo., August 12. The Daily Indicator reports:
FLOUR-XX, Sc. XXX ISc. family \$1.05 choice
\$1.00 Inc.y \$1.70 extra famoy \$1.00 also patent
\$2.08 2.15.
WHEAT-Easter, No. 2 hard cash no bids, no
offerings August \$26,895. No. 2 red cash 50;
bid, no offerings. offerings: August \$8,880.4c. No. 2 red cana de-bid no offerings. COBN—Weaker, No. 2 cash 47,6248c; August no olds, no offerings. OATS-Lower. No. 2 cash 260 bid, no offerings; August 18c, HYE-Lower. No 2 cash 60c bid, no offerings; August 65c bid, no offerings. no offerings.
idy: oreamery fancy 13817c,
if the.
Fancy prairie \$7 0027 50, good to

vholes \$5 5000 at He.

MILLSTUPF—Irregular.
CCRNMEAL—50.
CORNCHOP—51c

refinet \$1.00 = 11.25.
FLAXSED—\$1.25.
FLAXSED—\$1.25.
CHEESE. Steady. Northern twins 10.211c; Western Side, Young America 10.211c, Skimmed 12.5.
LIVE POULTRY Firm, good demant. Choice beins \$1.00.21 25. small 1st \$1.50.92.75; rocaters \$2.00.
FROVISIONS—Steady.
HAMS—\$16.50.
BIFFAK FAST PACON—\$5.0.
DRIED BEFF—\$1.30.
DRIED BEFF—\$1.30.
DRIED SALT MEATS—Short clear sides \$6.00.
SMOKED MEATS—Long clear \$5.00. shoulders \$6.00. smoKED MEATS—Long clear \$6.00. \$6.00. smoKED MEA

en dry long clear \$6.00; shoulder SMOKED MEATS—Long \$6.00; short clear sides \$6.50. PORK-\$13 00. LAND-Refined, \$7 23.

St. Louis, Mo., August 12. WHEAT-Cash lower, 26/4c, options higher, Sep-ember 37/4c, December 104c, CORN-Lower. Cash 40/4c, September 68/4c, CORN-Lower, Cash 15% bid: September 35%; October 19%; GATS-Lower, Cash 15% bid: September 35%;

y 475c. ORK – Weak, cash \$11 00s 1150. ARD – nominal: Butchers' steam \$5 875. to nominal michers steam \$5.81%.
UR-Unchanged.

No. 2 cash, 60c bid.

NMEAL-Firm 25 60c2 65.

1-Steady. Timothy \$10 60g17 50; prairie to fancy \$5.00g10 60.
TER-Choice higher. Choice creamery 14% gir 1970c. choice dairy, 15g16c.

NESTA EIGS-HeIR. LEAD-Dull, sellers \$4 2084 22%. BRAN-Scarce and firmat 80c. FLANSEED-Steady at \$1.26. WHISKY-\$1.12.

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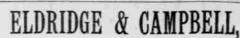


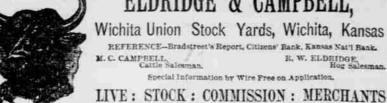
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urdays or at 7:40 a. m. and 4:10 p. m. on Sundays, and return from Genda Springs early Monday. Good hotel accommodations: fine bath-

The Santa Fe is the short line to Pneblo, Colorado Springs and Denver. Note the time: Leave Wichita 4:10 p. m., arrive Pneblo 6:35 a. m., arrive Colorado Springs 7:40 a. m., arrive Dener 10:30 a. m. Through

Notwithstanding statements to the con-trary, the Frisco line is two hours the quickest to St. Louis. Try it. 50 ff

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RAILROAD TIMETABLES.

NEW TIME TABLE CHICAGO, HOCK ISLAND & PACIFIC HAILWAY. ("Great Rock Island Route,") In effect on and after July 6, 1880 TRAINS ARBIVE LEAVE

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and Chicago night ex.
daily 155 PM
955 PM 545 P 30 daily.

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ing East, pass..... ing East, freight... Union Ticket office IT North Main street, and a ulon Depot, Douglas avenue, W. D. MCRDOOK. 1275 PM 410 PM

City Union Ticket office 127 North Main street, and Union Depot, Durlas avenue. THE CURIOSITY SHOP.

Trees Compared to Human Beings and Recognized by Their Voices. The hunters and trappers in the Appa-ichian mountains speak of trees precisely s they do of human beings; "this one is good natured and friendly:" "that canenkerons and surly." The black baleum, they aver, "knows a dark secret and grows only on bare and solitary peaks, as if it had murder to think of: hild. R. W. Furnis tells in Inter Ocean how blindfolded or in the darkest night these mountaineers can recognize the different kinds of trees by their "voices," as they call the rustling of their leaves. They unaccountable loves and haareds between different trees, the world old antipathy known to all woodsmen between the oak

and pine, for example, or that between the ash and hickory.

Besides the giant trees of California there are certain famous patriarchs in the forests of the south which are regarded with universal reverence and affection. Two cedars in the Nautchela mountains are estimated to be more than a thousand years old, and a live oak tree on the gulf oast is believed by some persons to antedate the Christian era. It is probable that the most magnificent trees on the continent are the group of gigantic magnolias in the

Origin of the Term Esthetics Æsthetics is a term invented about the middle of the last century by Baumgarten, a professor of philosophy in the University of Frankfort-on-the-Oder, to denote the science of the beautiful, particularly of art, as the most perfect manifestation of the beautiful. Notwithstanding the facthat the beautiful was a favorite aubject of contemplation among the ancienta, Baumgarten is held to be the first who considered the subject from the true scientific point of view, and therefore entitled

to be called the founder of the philosophy and costing less money?

The Santa Fe route makes a one fare round trip rate on Saturdays and Sundays, limited to the following Monday for return. You can leave at 4:10 p. m. on Saturdays and Sundays, limited to the following Monday for return. cluded in his view of the subject, and this conception he expressed by the word esthetics, from the Greek aisthanomal, I feel-indicating not absolute or subjective knowledge of things, but such as is conditioned subjectively by the play of our sensi-bilities. Beauty was, with Baumgarten, the result of the highest and purest sethetic perception, to the realization of which the finer portion of our nature as pires, and to trace which, through the whole sphere of art, was the work of me thetic philosophy.



for an airing while mamma went out for a call; but Johnny, being in the middle of an exciting chapter in The Boys' Own, devised an airing scheme of his own.-Har-

Experiments in Sound by Which a Toy Trumpet Can Be Made to Speak and a Talking Machine Manufactured That Pleases Amateur Performers.

open and shut your lips twice. These two sudden obstructions to the sound have made you say "ma-ma." If you will ob-serve attentively the motion of your mouth ma you open your mouth wider and kee;



Let the vibrating reed in the trumpet stand for vocal chords. Make a resonan cavity like the mouth between your two hands as shown at A. Place the funnel of the trumpet inside this cavity with the tube coming out in the crotch between the thumb and foreinger. The lips may be formed of the fingers of one hand. By raising these together, more or less, from the other hand one can make a larger or smaller opening into the cavity between the paims of the hand and thus get articu-

Now blow into the trumpet as though speaking mama into it, so that you may nake it sound twice, each sound lasting just as long as the sounds in ma and ma While making the first sound raise the fingers as high as is shown in A; while making the second raise them as high as is shown in B. The trumpet talks and says To make the machine shown in the sec-



circle out of the edge of each cup. Place these over each other and you have a hole for the tube of the trumpet to get out of

Miss C. W. Bruce offers the sum of \$6,000

made likely to limit the usefulness of this gift. In the hope of making it of the greatest benefit to science the entire sum will be divided, and in general the amount devoted to a single object will not exceed \$500. Precedence, explains Science, will be given to institutions and individuals whose tree is fond of young people and will not thrive near a house in which there is no otherwise be provided for, or where addiwork is already known th cost is furnished. Applications are in and should be made to Professor Edward tory, Cambridge, Mass., before Oct. 1, 1890, giving complete information regarding the

When the sun sets in the sea a curious appearance, as of a bluish green flame, is sometimes observed. This has been thought to be due to the light passing through the crests of waves. But Nature tells that this view is disproved by an observation made by Professor Lange at a watering place on the Baltic. Shortly before sunset the disk was divided in two by a thin strip of cloud, and just as the upper part disappeared under the cloud the blue flame was observed. Thus the cause appears to be in the air, not in the sea. It is a case of at-mospheric refraction. And as a planet, seen near the horison with a good telescope, appears drawn out into a spectrum. with the more refracted blue violet end higher than the red, so the last visible part of the sun furnishes the blue violet end of a spectrum.

Bread from Wood. A German scientist proposes to make loaves literally as abundant as leaves in Vallombrosa. His proposal is to make bread from wood, by chemically convert-ing the fiber of trees into human food. The fiber of wood consists essentially of celluless. Can this be made to turn into starch? The author quotes the researches of Hellriegel, which go to show that cer-tain plants transform atmospheric nitrogen into albumen, and that this process can be improved. The production therefore of starch from callulose, together with the enforced increase of albumen in plants, would (it is argued) in reality sig-nify the abolition of the bread question.

Notes and News.

The third international shorthand congress will be held at Munich from Aug. 7 to 17. The centenary of F. X. Gabela-berger, the originator of modern German shorthand, will be celebrated by those who attend the meetings, and a bronze statue of him will be unveiled.

system of refrigerating appliances now on exhibition in London is, according to Science, that no machinery is in use, the cold air being produced from the distillation of ammonia gas, a principle which is not by any mesus new. The apparatus consists of steam generator, ammonia boiler, separator and condenser for producing cold, and a sefrigurator or cold

That Made a Difference. Miss De Simper-I want to buy a dia mond necklace.

Jewelar-Fees. Here is one with fifteen four caret stones. I can sell you that for \$15.—Jewelers' Weekly.

SCIENCE AND PROGRESS.

SCIENTIFIC RECREATIONS AND NOTES OF GENERAL INTEREST.

Sing ah, and while doing so quickly you will see that for the last syllable of ma-



t open longer than for the first syllable. This, explains Professor Alfred M. Mayer, in his book on "Sound," from which these cuts are a reprint, is all one has to know to make a toy trumpet talk. Its sounds like those of the human voice, are made by puffs of air. These pass the reed every time it goes above or below the oblong hole in the plate where it vibrates.

ond cut cut a thin skinned orange in halves and scrape out its soft inside, making two hemispherical cups. Cut a small semi-



A TALKING MACRINE.

for the tube of the trumpet to get out of the orange. Now sew up the two cups to-gether, except a length directly opposite the trumpet, for here are the lips. A pea-nut makes a good nose and black beans serve as eyes. Place a baby cap on the orange and try if you can make it say mams.

during the present year in aking astro-nomical research. No restriction will be desired objects.

Jeweler-Something worth about \$1,500 Affect De Simper-O my! I am an actross and want something positively stunning.

"How do you like that cigar?"
"Well, candidly, Rarkins, I'd rather

emoke a hum or a red herring,"-Epoch

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